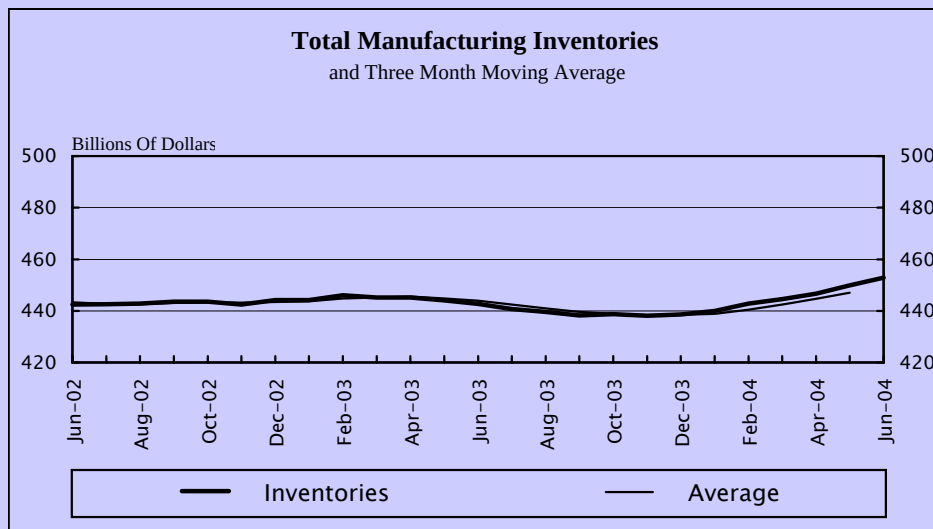
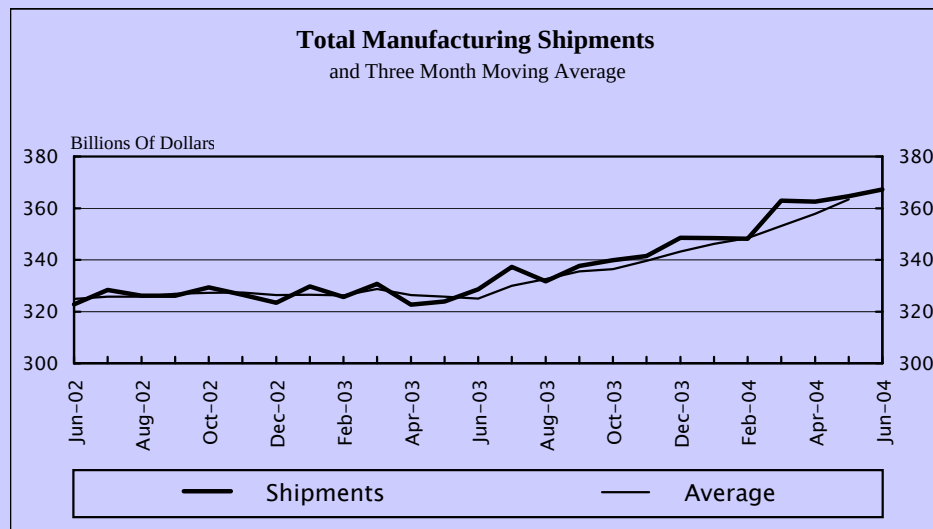


Manufacturers' Shipments, Inventories, and Orders: June 2004

Issued August 2004

M3-1(04)-06

For Wire Transmission 10:00 a.m. E.D.T., August 4, 2004



For data, call 301-763-4673. For inquiries, contact Chris Savage or Patrick Kent, Manufacturers' Shipments, Inventories and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900 or call 301-763-4832.

The advance report on durable goods for July is scheduled for August 25, 2004 at 8:30 a.m. and the full report on September 2, 2004 at 10:00 a.m.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington DC, 20402

Our Internet address is : <http://www.census.gov/m3>

Current Industrial Reports

U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

**MANUFACTURING,
MINING, AND
CONSTRUCTION
STATISTICS**

It All Starts Here!

Figures in text, other than year-to-date, are in seasonally adjusted current dollars. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

Summary

New orders for manufactured goods in June increased \$2.7 billion or 0.7 percent to \$363.2 billion, the Department of Commerce, Census Bureau reported today. This followed a 0.4 percent May increase.

Shipments, up seven of the last ten months, increased \$2.5 billion or 0.7 percent to \$367.2 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.6 percent May increase.

Unfilled orders, up ten of the last eleven months, increased \$3.2 billion or 0.6 percent to \$527.5 billion. This followed a 0.6 percent May increase. The unfilled orders-to-shipments ratio was 3.96, down from 3.97 in May.

Inventories, up seven consecutive months, increased \$3.0 billion or 0.7 percent to \$452.9 billion. This followed a 0.7 percent May increase. The inventories-to-shipments ratio was unchanged at 1.23.

New Orders

New orders for manufactured durable goods in June increased \$1.8 billion or 0.9 percent to \$192.0 billion, revised from the previously published \$1.4 billion increase.

Transportation equipment, up three of the last five months, had the largest increase, \$2.4 billion or 4.4 percent to \$55.7 billion, due to defense aircraft and parts, which increased \$2.2 billion. Fabricated metal products increased \$0.8 billion or 3.4 percent to \$23.3 billion.

New orders for manufactured nondurable goods increased \$0.9 billion or 0.5 percent to \$171.2 billion.

Shipments

Shipments of manufactured durable goods in June, up seven of the last ten months, increased \$1.6 billion or 0.8 percent to \$196.0 billion, revised from the previously published \$1.3 billion increase.

Machinery had the largest increase, \$0.8 billion or 3.4 percent to \$24.0 billion. Transportation equipment

increased \$0.5 billion or 0.9 percent to \$54.3 billion.

Shipments of manufactured nondurable goods, up nine of the last ten months, increased \$0.9 billion or 0.5 percent to \$171.2 billion. Paper products, up nine of the last ten months, had the largest increase, \$0.6 billion or 4.2 percent to \$14.7 billion. Paper products was at the highest level since the series began in 1992.

Unfilled Orders

Unfilled orders of manufactured durable goods in June, up ten of the last eleven months, increased \$3.2 billion or 0.6 percent to \$527.5 billion, revised from the previously published \$3.1 billion increase.

Transportation equipment, up three of the last four months, had the largest increase, \$1.4 billion or 0.6 percent to \$252.3 billion, due to defense aircraft and parts, which increased \$1.4 billion. Computers and electronic products, up five consecutive months, increased \$0.9 billion or 0.6 percent to \$135.8 billion.

Inventories

Inventories of manufactured durable goods in June, up seven consecutive months, increased \$2.3 billion or 0.9 percent to \$271.6 billion, revised from the previously published \$1.9 billion increase.

Computers and electronic products, up four consecutive months, had the largest increase, \$0.7 billion or 1.4 percent to \$48.2 billion.

Inventories of manufactured nondurable goods, up six consecutive months, increased \$0.7 billion or 0.4 percent to \$181.3 billion. This was at the highest level since the series began in 1992. Basic chemicals, up six consecutive months, increased \$0.5 billion or 0.8 percent to \$56.0 billion. Basic chemicals was also at the highest level since the series began in 1992.

By stage of fabrication, June materials and supplies increased 0.8 percent in durable goods and decreased 0.3 percent in nondurable goods. Work in process increased 0.9 percent in durable goods and 1.5 percent in nondurable goods. Finished goods increased 1.0 percent in durable goods and 0.4 percent in nondurable goods.

SEE BACK PAGE FOR SURVEY DESCRIPTION

Our internet address is: <http://www.census.gov/m3>

For data, call 301-763-4673. For inquiries, contact Chris Savage or Patrick Kent, Manufacturers' Shipments, Inventories, and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call 301-763-4832.

The advance report on durable goods for July is scheduled for August 25, 2004 at 8:30 A.M. EDT and the full report on September 2, 2004 at 10:00 A.M. EDT. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Table 1. Value of Manufacturers' Shipments for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly			Year to date			
	June 2004 ^P	May 2004 ^r	Apr. 2004	May - June	Apr. - May	Mar. - Apr.	June 2004 ^P	May 2004 ^r	Apr. 2004	June 2003	2004 ^P	2003	Percent 2004/2003
All manufacturing industries	367,221	364,705	362,569	0.7	0.6	-0.1	393,076	367,073	360,275	348,612	2,168,380	1,959,804	10.6
Excluding transportation	312,971	310,950	309,022	0.6	0.6	0.7	333,956	312,075	306,336	293,409	1,833,136	1,647,612	11.3
Excluding defense	357,648	354,936	353,143	0.8	0.5	0.0	382,776	357,347	351,325	338,775	2,110,289	1,908,233	10.6
With unfilled orders	133,108	131,960	132,384	0.9	-0.3	-0.4	145,637	132,250	130,738	130,189	792,382	716,941	10.5
Durable goods industries	196,009	194,389	195,512	0.8	-0.6	-0.8	214,766	194,617	193,518	192,530	1,171,205	1,056,958	10.8
Wood products	9,142	9,638	9,512	-5.1	1.3	4.4	10,095	10,087	9,704	8,257	53,737	43,170	24.5
Nonmetallic mineral products	7,422	7,435	7,644	-0.2	-2.7	-2.1	8,020	7,586	7,808	7,705	43,848	42,425	3.4
Primary metals	13,645	13,236	13,248	3.1	-0.1	-0.5	14,505	13,659	13,761	10,934	80,019	67,067	19.3
Iron and steel mills	6,449	6,107	6,043	5.6	1.1	2.7	6,944	6,330	6,289	4,936	36,445	30,868	18.1
Aluminum and nonferrous metals	5,650	5,619	5,681	0.6	-1.1	-3.2	5,867	5,771	5,876	4,671	34,380	28,329	21.4
Ferrous metal foundries	1,546	1,510	1,524	2.4	-0.9	-2.7	1,694	1,558	1,596	1,327	9,194	7,870	16.8
Fabricated metal products	22,804	22,593	22,612	0.9	-0.1	-0.7	24,121	22,910	22,559	21,088	132,908	122,040	8.9
Machinery	24,044	23,258	23,904	3.4	-2.7	-0.1	26,864	24,141	25,278	23,110	144,767	127,467	13.6
Farm machinery	1,664	1,690	1,738	-1.5	-2.8	5.7	1,731	1,858	2,187	1,406	10,920	9,152	19.3
Construction machinery	2,256	2,250	2,233	0.3	0.8	3.4	2,575	2,520	2,533	1,954	14,236	10,610	34.2
Mining, oil field, and gas field machinery	876	832	824	5.3	1.0	2.9	960	818	798	735	4,944	4,164	18.7
Industrial machinery	3,318	3,022	3,132	9.8	-3.5	-10.1	3,848	2,859	3,315	3,496	19,395	17,536	10.6
Photographic equipment	877	919	962	-4.6	-4.5	4.9	1,013	884	884	922	5,264	4,580	14.9
Ventilation, heating, air-conditioning, and refrigeration equipment	2,738	2,716	2,748	0.8	-1.2	-0.8	3,337	2,918	2,702	3,048	16,449	14,973	9.9
Metalworking machinery	2,052	1,865	1,961	10.0	-4.9	-3.6	2,335	1,788	1,848	1,803	11,476	10,150	13.1
Turbines, generators, and other power transmission equipment	3,139	2,989	3,100	5.0	-3.6	0.9	3,428	3,177	3,152	2,814	18,655	16,208	15.1
Material handling equipment	1,460	1,463	1,476	-0.2	-0.9	-3.0	1,544	1,405	1,501	1,374	8,934	8,016	11.5
Computers and electronic products	38,344	38,148	38,766	0.5	-1.6	2.5	43,788	35,552	35,041	39,941	224,759	196,310	14.5
Computers	5,166	5,256	6,246	-1.7	-15.9	20.0	5,465	4,370	5,780	4,913	31,111	25,585	21.6
Computer storage devices	1,608	1,276	1,234	26.0	3.4	-17.8	2,573	962	853	2,382	8,430	7,533	11.9
Other peripheral equipment	1,530	1,648	1,588	-7.2	3.8	1.9	1,929	1,373	1,288	1,986	8,957	8,503	5.3
Nondefense communications equipment	6,253	6,464	6,592	-3.3	-1.9	5.6	7,222	6,278	5,863	7,257	37,559	33,234	13.0
Defense communications equipment	495	490	476	1.0	2.9	-0.8	511	537	463	435	3,044	2,474	23.0
Audio and video equipment	671	670	706	0.1	-5.1	6.5	625	577	572	639	3,566	3,641	-2.1
Semiconductors	7,149	7,298	7,071	-2.0	3.2	3.5	7,683	6,921	6,564	6,670	41,295	34,421	20.0
Electronic components	4,483	4,437	4,445	1.0	-0.2	2.1	4,790	4,379	4,071	4,401	25,998	24,024	8.2
Nondefense search and navigation equipment	953	937	908	1.7	3.2	-1.2	1,051	936	829	927	5,399	4,937	9.4
Defense search and navigation equipment	2,596	2,735	2,585	-5.1	5.8	5.2	2,833	2,716	2,545	2,574	15,430	13,916	10.9
Electromedical, measuring, and control instruments	6,900	6,415	6,323	7.6	1.5	-10.5	8,574	6,028	5,706	7,215	40,868	35,195	16.1
Electrical equipment, appliances, and components	8,708	8,769	8,806	-0.7	-0.4	2.0	9,562	8,793	8,563	9,059	51,741	49,747	4.0
Electric lighting equipment	1,029	1,061	1,091	-3.0	-2.7	-1.7	1,088	1,057	1,021	1,131	6,321	6,215	1.7
Household appliances	2,024	2,001	1,949	1.1	2.7	0.2	2,251	2,025	1,905	2,138	11,764	11,380	3.4
Electrical equipment	2,608	2,641	2,667	-1.2	-1.0	4.1	2,929	2,641	2,537	2,766	15,520	14,695	5.6
Batteries	494	486	490	1.6	-0.8	0.4	531	454	444	477	2,757	2,548	8.2
Transportation equipment	54,250	53,755	53,547	0.9	0.4	-4.7	59,120	54,998	53,939	55,203	335,244	312,192	7.4
Automobiles	7,575	7,332	7,491	3.3	-2.1	-6.1	8,253	7,578	7,576	7,370	47,595	44,366	7.3
Light trucks and utility vehicles	11,365	10,955	11,569	3.7	-5.3	-5.7	12,259	11,179	11,783	11,061	72,443	65,121	11.2
Heavy duty trucks	1,204	1,159	1,196	3.9	-3.1	2.3	1,358	1,213	1,236	1,274	7,151	6,461	10.7
Motor vehicle bodies, parts, and trailers	18,214	18,151	18,349	0.3	-1.1	-3.4	19,631	18,948	19,579	18,589	114,943	110,708	3.8
Nondefense aircraft and parts	6,325	6,608	5,487	-4.3	20.4	-6.7	7,347	6,342	4,801	7,060	35,240	33,550	5.0
Defense aircraft and parts	3,677	3,664	3,514	0.4	4.3	-11.2	4,018	3,523	3,230	3,920	22,380	18,937	18.2
Ships and boats	2,450	2,417	2,402	1.4	0.6	2.8	2,503	2,704	2,487	2,185	14,338	12,492	14.8
Furniture and related products	6,106	6,276	6,192	-2.7	1.4	4.2	6,188	6,118	6,092	5,799	36,548	33,832	8.0
Miscellaneous durable goods	11,544	11,281	11,281	2.3	0.0	-3.2	12,503	10,773	10,773	11,434	67,634	62,708	7.9
Nondurable goods industries	171,212	170,316	167,057	0.5	2.0	0.8	178,310	172,456	166,757	156,082	997,175	902,846	10.4
Food products	41,429	41,340	40,192	0.2	2.9	2.9	41,838	40,657	39,190	38,384	235,775	223,211	5.6
Grain and oilseed milling	3,409	3,422	3,506	-0.4	-2.4	0.4	3,247	3,425	3,382	3,856	20,478	24,010	-14.7
Dairy products	6,753	6,885	6,588	-1.9	4.5	3.2	6,953	7,016	6,477	5,488	37,967	31,261	21.5
Meat, poultry, and seafood products	12,571	12,326	11,403	2.0	8.1	5.5	13,002	12,489	11,239	11,525	69,191	65,754	5.2
Beverage and tobacco products	9,413	8,926	8,927	5.5	0.0	-3.9	10,069	9,519	8,941	9,383	53,730	52,581	2.2
Beverages	5,980	5,974	5,857	0.1	2.0	0.6	6,636	6,567	5,871	6,186	35,486	34,028	4.3
Tobacco	3,433	2,952	3,070	16.3	-3.8	-11.4	3,433	2,952	3,070	3,197	18,244	18,553	-1.7
Textile mills	3,360	3,470	3,431	-3.2	1.1	1.1	3,628	3,545	3,463	3,493	20,747	20,048	3.5
Textile products	3,104	3,108	3,100	-0.1	0.3	-2.1	3,298	3,146	3,152	3,074	18,875	16,966	11.3
Apparel	4,820	4,824	4,749	-0.1	1.6	0.7	4,707	4,383	4,414	4,255	27,203	25,117	8.3
Leather and allied products	910	877	878	3.8	-0.1	-0.1	932	814	813	912	5,097	5,307	-4.0
Paper products	14,701	14,115	14,018	4.2	0.7	1.1	15,272	14,038	13,817	13,811	84,444	79,182	6.6
Pulp, paper, and paperboard mills	5,993	5,948	5,872	0.8	1.3	0.7	6,177	5,862	5,786	5,828	35,242	34,642	1.7
Paperboard containers	3,743	3,734	3,755	0.2	-0.6	2.8	3,876	3,773	3,810	3,836	22,227	22,051	0.8
Printing	8,170	7,994	7,835	2.2	2.0	-0.8	8,110	7,606	7,636	7,689	46,158	46,800	-1.4
Petroleum and coal products	26,577	27,336	25,871	-2.8	5.7	-0.4	28,374	29,491	26,485	20,228	155,181	115,942	33.8
Petroleum refineries	24,420	25,146	23,751	-2.9	5.9	-1.0	25,741	27,190	24,383	18,345	143,234	106,524	34.5
Basic chemicals	41,889	41,750	41,372	0.3	0.9	1.0	44,156	42,073	41,562	38,828	249,192	225,170	10.7
Pesticides, fertilizers, and other agricultural chemicals	1,706	1,656	1,613	3.0	2.7	-1.3	1,992	2,248	2,474	1,707	12,047	10,839	11.1
Pharmaceuticals and medicines	9,910	9,843	9,665	0.7	1.8	2.2	10,048	9,634	9,215	9,414	57,303	57,318	0.0
Paints, coatings, and adhesives	2,496	2,534	2,690	-1.5	-5.8	-4.9	2,686	2,704	2,838	2,543	15,460	14,261	8.4
Plastics and rubber products	16,839	16,576	16,684	1.6	-0.6	0.7	17,926	17,184	17,284	16,025	100,773	92,522	8.9

^P Preliminary^r Revised

NA Not available.

¹ Shipments are the totals for the period and are adjusted for trading-day and calendar-month variations. See note at end of Table 2 relating to survey error and revision.

Table 2. Value of Manufacturers' New Orders for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly			Year to date			
	June 2004 ^p	May 2004 ^r	Apr. 2004	May - June	Apr. - May	Mar. - Apr.	June 2004 ^p	May 2004 ^r	Apr. 2004	June 2003	2004 ^p	2003	Percent 2004/ 2003
All manufacturing industries ²	363,242	360,561	359,124	0.7	0.4	-1.1	383,472	361,888	357,653	339,178	2,154,419	1,934,149	11.4
Excluding transportation ²	307,586	307,265	304,847	0.1	0.8	-0.3	324,496	308,886	303,598	284,521	1,817,250	1,617,894	12.3
Excluding defense ²	352,433	351,921	349,805	0.1	0.6	-0.8	373,163	355,079	348,341	329,817	2,092,037	1,873,863	11.6
With unfilled orders ²	136,278	135,114	136,010	0.9	-0.7	-2.8	143,716	133,986	134,680	127,425	819,716	725,707	13.0
Durable goods industries ²	192,030	190,245	192,067	0.9	-0.9	-2.7	205,162	189,432	190,896	183,096	1,157,244	1,031,303	12.2
Primary metals.....	13,690	13,706	13,337	-0.1	2.8	-4.4	14,359	14,093	13,557	11,024	83,160	66,923	24.3
Iron and steel mills.....	6,416	6,339	6,206	1.2	2.1	-1.1	6,791	6,650	6,233	4,982	38,076	30,689	24.1
Aluminum and nonferrous metals.....	5,747	5,737	5,626	0.2	2.0	-7.3	5,939	5,801	5,777	4,738	35,639	28,345	25.7
Ferrous metal foundries.....	1,527	1,630	1,505	-6.3	8.3	-6.1	1,629	1,642	1,547	1,304	9,445	7,889	19.7
Fabricated metal products.....	23,332	22,573	23,963	3.4	-5.8	-1.1	23,884	23,557	24,064	20,568	139,953	121,512	15.2
Machinery.....	24,421	24,223	24,192	0.8	0.1	-4.1	26,221	24,915	25,940	21,833	150,385	126,376	19.0
Construction machinery.....	2,241	2,228	2,337	0.6	-4.7	-3.4	2,179	2,356	2,825	1,730	15,679	10,578	48.2
Mining, oil field, and gas field machinery.....	888	906	882	-2.0	2.7	-2.6	972	892	856	741	5,329	4,056	31.4
Industrial machinery.....	3,662	3,231	2,896	13.3	11.6	-17.7	3,916	3,030	3,209	3,058	20,433	17,887	14.2
Photographic equipment.....	855	909	969	-5.9	-6.2	2.1	960	867	910	936	5,341	4,757	12.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,660	2,957	2,862	-10.0	3.3	0.4	3,131	3,232	2,955	2,845	17,117	15,224	12.4
Metalworking machinery.....	2,178	1,987	2,077	9.6	-4.3	-5.7	2,434	1,902	1,939	1,854	12,215	10,177	20.0
Turbines, generators, and other power transmission equipment.....	3,010	3,145	3,160	-4.3	-0.5	-15.4	3,241	3,411	3,207	2,488	19,278	14,002	37.7
Material handling equipment.....	1,509	1,553	1,559	-2.8	-0.4	6.9	1,584	1,408	1,523	1,274	9,053	7,931	14.1
Computers and electronic products ²	32,062	32,468	32,443	-1.3	0.1	-1.9	35,750	29,787	29,707	32,768	190,810	167,308	14.0
Computers.....	5,663	5,765	5,793	-1.8	-0.5	16.8	5,918	5,393	5,133	5,043	31,167	26,420	18.0
Nondefense communications equipment.....	5,701	6,191	7,490	-7.9	-17.3	22.8	5,639	5,903	7,501	6,091	38,224	37,801	1.1
Defense communications equipment.....	525	383	397	37.1	-3.5	-14.4	541	430	384	473	3,042	2,672	13.8
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	4,700	4,993	4,679	-5.9	6.7	0.0	5,082	4,811	4,195	4,289	27,734	21,797	27.2
Nondefense search and navigation equipment.....	897	1,023	1,002	-12.3	2.1	5.3	988	1,065	874	915	5,563	5,139	8.3
Defense search and navigation equipment.....	2,854	2,957	2,748	-3.5	7.6	-1.3	3,101	2,198	2,655	2,672	17,762	14,706	20.8
Electromedical, measuring, and control instruments.....	7,373	7,040	6,214	4.7	13.3	-29.7	8,822	6,600	5,745	7,736	43,263	36,249	19.3
Electrical equipment, appliances, and components.....	8,507	8,930	9,383	-4.7	-4.8	4.7	9,083	8,993	9,181	8,945	53,089	49,768	6.7
Electric lighting equipment.....	897	1,158	1,360	-22.5	-14.9	14.7	955	1,201	1,279	1,160	6,687	6,230	7.3
Household appliances.....	1,896	2,048	2,010	-7.4	1.9	-1.2	2,010	2,064	1,949	1,954	11,633	11,406	2.0
Electrical equipment.....	2,684	2,629	2,922	2.1	-10.0	11.3	2,907	2,663	2,890	2,789	16,151	15,040	7.4
Transportation equipment.....	55,656	53,296	54,277	4.4	-1.8	-5.2	58,976	53,002	54,055	54,657	337,169	316,255	6.6
Motor vehicle bodies, parts, and trailers.....	18,515	18,560	18,756	-0.2	-1.0	-2.1	19,615	19,028	19,702	18,311	116,105	110,256	5.3
Nondefense aircraft and parts.....	6,208	6,751	5,889	-8.0	14.6	-7.8	7,203	6,357	4,360	7,024	34,228	28,207	21.3
Defense aircraft and parts.....	5,087	2,841	2,295	79.1	23.8	-9.7	5,016	2,248	2,610	3,651	20,458	24,912	-17.9
Ships and boats.....	2,154	2,156	1,971	-0.1	9.4	-0.6	1,948	2,120	1,981	2,003	13,794	11,087	24.4
Furniture and related products.....	6,255	6,365	6,281	-1.7	1.3	2.7	6,272	6,309	6,353	5,875	37,536	34,361	9.2
Nondurable goods industries.....	171,212	170,316	167,057	0.5	2.0	0.8	178,310	172,456	166,757	156,082	997,175	902,846	10.4

^p Preliminary ^r Revised NA Not available.¹ New orders are the totals for the period and are adjusted for trading-day and calendar-month variations.² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(02), "Manufacturers' Shipments, Inventories, and Orders: 1992-2002."

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups**[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change June 04/03
	June 2004 ^p	May 2004 ^r	Apr. 2004	May - June	Apr. - May	Mar. - Apr.	June 2004 ^p	May 2004 ^r	Apr. 2004	June 2003	
All manufacturing industries ¹	527,535	524,365	521,211	0.6	0.6	0.7	529,750	531,671	529,935	489,445	8.2
Excluding transportation ¹	275,273	273,509	269,896	0.6	1.3	1.1	276,544	278,321	274,589	240,966	14.8
Excluding defense ¹	367,241	365,307	361,024	0.5	1.2	1.0	367,502	369,432	364,779	336,185	9.3
Durable goods industries ¹	527,535	524,365	521,211	0.6	0.6	0.7	529,750	531,671	529,935	489,445	8.2
Primary metals.....	18,777	18,732	18,262	0.2	2.6	0.5	19,143	19,289	18,855	14,315	33.7
Iron and steel mills.....	10,644	10,677	10,445	-0.3	2.2	1.6	10,898	11,051	10,731	7,621	43.0
Aluminum and nonferrous metals.....	5,552	5,455	5,337	1.8	2.2	-1.0	5,677	5,605	5,575	4,497	26.2
Ferrous metal foundries.....	2,581	2,600	2,480	-0.7	4.8	-0.8	2,568	2,633	2,549	2,197	16.9
Fabricated metal products.....	44,762	44,234	44,254	1.2	0.0	3.1	45,066	45,303	44,656	36,372	23.9
Machinery.....	48,490	48,113	47,148	0.8	2.0	0.6	48,500	49,143	48,369	41,329	17.4
Construction machinery.....	4,196	4,211	4,233	-0.4	-0.5	2.5	4,149	4,545	4,709	1,977	109.9
Mining, oil field, and gas field machinery.....	1,447	1,435	1,361	0.8	5.4	4.5	1,447	1,435	1,361	790	83.2
Industrial machinery.....	8,441	8,097	7,888	4.2	2.6	-2.9	8,376	8,308	8,137	7,823	7.1
Photographic equipment.....	916	938	948	-2.3	-1.1	0.7	904	957	974	731	23.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,805	4,883	4,642	-1.6	5.2	2.5	4,915	5,121	4,807	4,247	15.7
Metalworking machinery.....	4,693	4,567	4,445	2.8	2.7	2.7	4,699	4,600	4,486	3,670	28.0
Turbines, generators, and other power transmission equipment.....	9,980	10,109	9,953	-1.3	1.6	0.6	9,961	10,148	9,914	8,524	16.9
Material handling equipment.....	4,947	4,898	4,808	1.0	1.9	1.8	4,980	4,940	4,937	4,804	3.7
Computers and electronic products ¹	135,847	134,980	133,362	0.6	1.2	0.6	136,502	136,857	135,701	124,236	9.9
Computers.....	8,625	8,128	7,619	6.1	6.7	-5.6	8,861	8,408	7,385	8,959	-1.1
Nondefense communications equipment.....	46,840	47,392	47,665	-1.2	-0.6	1.9	47,045	48,628	49,003	46,372	1.5
Defense communications equipment.....	3,387	3,357	3,464	0.9	-3.1	-2.2	3,387	3,357	3,464	3,140	7.9
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	15,780	15,563	15,007	1.4	3.7	1.6	15,665	15,373	14,941	13,257	18.2
Nondefense search and navigation equipment.....	4,684	4,740	4,654	-1.2	1.8	2.1	4,745	4,808	4,679	4,691	1.2
Defense search and navigation equipment.....	38,039	37,781	37,559	0.7	0.6	0.4	38,406	38,138	38,656	34,424	11.6
Electromedical, measuring, and control instruments.....	18,492	18,019	17,394	2.6	3.6	-0.6	18,393	18,145	17,573	13,393	37.3
Electrical equipment, appliances, and components.....	14,875	15,076	14,915	-1.3	1.1	4.0	14,763	15,242	15,042	13,813	6.9
Electric lighting equipment.....	1,592	1,724	1,627	-7.7	6.0	19.8	1,623	1,756	1,612	1,470	10.4
Household appliances.....	735	863	816	-14.8	5.8	8.1	636	877	838	925	-31.2
Electrical equipment.....	8,899	8,823	8,835	0.9	-0.1	3.0	8,904	8,926	8,904	8,416	5.8
Transportation equipment.....	252,262	250,856	251,315	0.6	-0.2	0.3	253,206	253,350	255,346	248,479	1.9
Motor vehicle bodies, parts, and trailers.....	15,055	14,754	14,345	2.0	2.9	2.9	14,782	14,798	14,718	11,681	26.5
Nondefense aircraft and parts.....	104,388	104,505	104,362	-0.1	0.1	0.4	104,059	104,203	104,188	106,151	-2.0
Defense aircraft and parts.....	57,726	56,316	57,139	2.5	-1.4	-2.1	58,848	57,850	59,125	61,939	-5.0
Ships and boats.....	19,926	20,222	20,483	-1.5	-1.3	-2.1	19,917	20,472	21,056	19,243	3.5
Furniture and related products.....	6,296	6,147	6,058	2.4	1.5	1.5	6,344	6,260	6,069	5,783	9.7

^p Preliminary ^r Revised NA Not available.¹ Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

See note at end of Table 2 relating to survey error and revision.

Table 4. Value of Manufacturers' Inventories for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change June 04/03
	June 2004 ^P	May 2004 ^r	Apr. 2004	May - June	Apr. - May	Mar. - Apr.	June 2004 ^P	May 2004 ^r	Apr. 2004	June 2003	
All manufacturing industries.....	452,907	449,946	446,699	0.7	0.7	0.5	451,679	453,817	449,025	439,285	2.8
Excluding transportation.....	384,478	381,696	378,369	0.7	0.9	0.5	383,625	385,221	380,463	371,947	3.1
Excluding defense.....	428,627	425,580	422,491	0.7	0.7	0.5	427,237	429,450	424,818	416,233	2.6
With unfilled orders.....	211,582	209,906	208,497	0.8	0.7	0.7	211,038	211,737	209,626	207,548	1.7
Durable goods industries.....	271,605	269,308	267,206	0.9	0.8	0.6	270,786	272,027	269,079	264,092	2.5
Wood products.....	10,204	10,253	10,161	-0.5	0.9	1.2	10,026	10,284	10,306	9,282	8.0
Nonmetallic mineral products.....	9,212	9,236	9,178	-0.3	0.6	-0.4	9,317	9,431	9,362	9,957	-6.4
Primary metals.....	18,804	18,529	18,342	1.5	1.0	1.6	18,753	18,452	18,276	18,056	3.9
Iron and steel mills.....	10,155	9,830	9,655	3.3	1.8	2.2	10,067	9,720	9,555	9,866	2.0
Aluminum and nonferrous metals.....	6,901	6,967	7,001	-0.9	-0.5	1.2	6,881	6,939	6,975	6,447	6.7
Ferrous metal foundries.....	1,748	1,732	1,686	0.9	2.7	0.1	1,805	1,793	1,746	1,743	3.6
Fabricated metal products.....	32,850	32,481	31,929	1.1	1.7	1.6	32,888	32,739	32,191	31,403	4.7
Machinery.....	43,677	43,249	42,632	1.0	1.4	0.3	43,386	43,567	42,949	41,590	4.3
Farm machinery.....	2,401	2,354	2,310	2.0	1.9	-1.0	2,382	2,359	2,346	2,150	10.8
Construction machinery.....	4,006	3,875	3,786	3.4	2.4	0.5	3,956	3,870	3,838	3,403	16.3
Mining, oil field, and gas field machinery.....	2,419	2,386	2,350	1.4	1.5	2.2	2,465	2,429	2,363	2,311	6.7
Industrial machinery.....	6,981	6,931	6,778	0.7	2.3	-0.3	6,975	7,088	6,790	6,700	4.1
Photographic equipment.....	1,411	1,406	1,385	0.4	1.5	-0.5	1,398	1,447	1,404	1,376	1.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,210	4,230	4,230	-0.5	0.0	-1.0	4,178	4,364	4,400	4,034	3.6
Metalworking machinery.....	4,365	4,367	4,405	0.0	-0.9	-0.8	4,332	4,394	4,382	4,535	-4.5
Turbines, generators, and other power transmission equipment.....	4,547	4,515	4,428	0.7	2.0	2.6	4,459	4,465	4,369	4,101	8.7
Material handling equipment.....	2,387	2,326	2,329	2.6	-0.1	1.7	2,404	2,338	2,356	2,340	2.7
Computers and electronic products.....	48,194	47,534	47,411	1.4	0.3	0.5	47,872	48,411	47,769	47,257	1.3
Computers.....	2,504	2,337	2,273	7.1	2.8	-7.7	2,566	2,428	2,182	2,665	-3.7
Computer storage devices.....	1,206	1,184	1,192	1.9	-0.7	-0.4	1,153	1,314	1,256	1,132	1.9
Other peripheral equipment.....	2,389	2,362	2,312	1.1	2.2	3.9	2,315	2,409	2,323	2,307	0.3
Nondefense communications equipment.....	9,346	9,388	9,421	-0.4	-0.4	1.7	9,157	9,630	9,477	9,839	-6.9
Defense communications equipment.....	1,327	1,335	1,345	-0.6	-0.7	3.0	1,327	1,335	1,345	1,284	3.3
Audio and video equipment.....	1,002	962	892	4.2	7.8	-1.4	984	885	827	933	5.5
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	7,841	7,698	7,839	1.9	-1.8	1.3	7,810	7,814	7,979	7,616	2.5
Nondefense search and navigation equipment.....	2,472	2,441	2,448	1.3	-0.3	-1.1	2,457	2,446	2,471	2,632	-6.6
Defense search and navigation equipment.....	2,873	2,844	2,837	1.0	0.2	-0.3	2,884	2,863	2,865	2,845	1.4
Electromedical, measuring and control instruments.....	10,288	10,166	10,178	1.2	-0.1	0.7	10,198	10,254	10,241	10,051	1.5
Electrical equipment, appliances, and components.....	12,627	12,504	12,310	1.0	1.6	-0.2	12,689	12,912	12,704	12,507	1.5
Electric lighting equipment.....	1,440	1,420	1,411	1.4	0.6	0.4	1,478	1,456	1,427	1,517	-2.6
Household appliances.....	2,203	2,193	2,169	0.5	1.1	1.2	2,237	2,361	2,320	2,064	8.4
Electrical equipment.....	4,465	4,391	4,279	1.7	2.6	-0.6	4,399	4,467	4,392	3,991	10.2
Batteries.....	591	604	594	-2.2	1.7	-0.2	615	637	605	566	8.7
Transportation equipment.....	68,429	68,250	68,330	0.3	-0.1	0.5	68,054	68,596	68,562	67,338	1.1
Automobiles.....	2,189	2,084	2,018	5.0	3.3	2.8	2,157	2,148	2,068	1,873	15.2
Light trucks and utility vehicles.....	2,516	2,425	2,531	3.8	-4.2	2.6	2,450	2,473	2,611	2,175	12.6
Heavy duty trucks.....	798	786	779	1.5	0.9	0.6	779	784	758	700	11.3
Motor vehicle bodies, parts, and trailers.....	16,028	15,905	15,803	0.8	0.6	-0.3	15,933	15,909	15,864	15,305	4.1
Nondefense aircraft and parts.....	23,477	23,498	23,793	-0.1	-1.2	0.8	23,186	23,721	23,841	25,211	-8.0
Defense aircraft and parts.....	11,659	11,584	11,595	0.6	-0.1	-0.3	11,778	11,460	11,542	10,739	9.7
Ships and boats.....	3,257	3,253	3,102	0.1	4.9	-1.7	3,262	3,261	3,139	2,788	17.0
Furniture and related products.....	8,126	7,980	7,846	1.8	1.7	2.9	8,308	8,101	7,826	8,001	3.8
Miscellaneous durable goods.....	19,482	19,292	19,067	1.0	1.2	-0.8	19,493	19,534	19,134	18,701	4.2
Nondurable goods industries.....	181,302	180,638	179,493	0.4	0.6	0.3	180,893	181,790	179,946	175,193	3.3
Food products.....	33,915	33,704	33,466	0.6	0.7	0.2	32,767	32,743	32,559	31,930	2.6
Grain and oilseed milling.....	3,144	3,262	3,320	-3.6	-1.7	-2.5	2,913	3,027	3,250	3,373	-13.6
Dairy products.....	4,120	4,112	3,896	0.2	5.5	4.5	4,292	4,285	4,020	3,668	17.0
Meat, poultry, and seafood products.....	6,321	6,246	6,218	1.2	0.5	0.3	6,231	6,266	6,245	5,877	6.0
Beverage and tobacco products.....	14,603	14,511	14,689	0.6	-1.2	-0.1	14,168	14,254	14,668	14,139	0.2
Beverages.....	9,962	9,870	10,085	0.9	-2.1	-0.6	9,803	9,810	10,141	9,547	2.7
Tobacco.....	4,641	4,641	4,604	0.0	0.8	1.1	4,365	4,444	4,527	4,592	-4.9
Textile mills.....	4,831	4,862	4,877	-0.6	-0.3	-0.6	4,870	5,026	4,979	5,166	-5.7
Textile products.....	5,136	5,102	5,097	0.7	0.1	-0.1	5,220	5,234	5,200	5,087	2.6
Apparel.....	6,881	6,871	6,877	0.1	-0.1	-0.3	7,190	6,941	6,792	7,634	-5.8
Leather and allied products.....	1,605	1,636	1,664	-1.9	-1.7	-0.9	1,627	1,655	1,639	1,695	-4.0
Paper products.....	14,331	14,348	14,222	-0.1	0.9	-0.1	14,331	14,450	14,287	14,963	-4.2
Pulp, paper, and paperboard mills.....	6,123	6,199	6,208	-1.2	-0.1	-0.4	6,124	6,267	6,212	6,661	-8.1
Paperboard containers.....	4,235	4,175	4,081	1.4	2.3	1.2	4,230	4,163	4,074	4,250	-0.5
Printing.....	6,364	6,422	6,154	-0.9	4.4	0.4	6,400	6,318	6,043	6,163	3.8
Petroleum and coal products.....	16,666	16,759	16,407	-0.6	2.1	1.0	17,276	17,754	16,685	15,732	9.8
Petroleum refineries.....	15,078	15,182	14,823	-0.7	2.4	1.5	15,594	16,083	15,047	14,098	10.6
Basic chemicals.....	56,000	55,550	55,296	0.8	0.5	0.7	55,918	56,154	55,870	52,156	7.2
Pesticides, fertilizers, and other agricultural chemicals.....	2,406	2,353	2,333	2.3	0.9	0.3	2,153	2,317	2,528	2,148	0.2
Pharmaceuticals and medicines.....	23,954	23,603	23,514	1.5	0.4	2.2	24,134	23,926	23,710	20,416	18.2
Paints, coatings, and adhesives.....	2,818	2,802	2,782	0.6	0.7	0.3	2,841	2,850	2,844	2,783	2.1
Plastics and rubber products.....	20,970	20,873	20,744	0.5	0.6	0.0	21,126	21,261	21,224	20,528	2.9

^P Preliminary^r Revised

NA Not available.

¹ Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, but are not shown separately.

See note at end of Table 2 relating to survey error and revision.

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series¹

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ²						
	Monthly			Percent Change			Monthly				Year to date		Percent Change ⁶ 2004/ 2003
	June 2004 ^p	May 2004 ^r	Apr. 2004	May - June	Apr. - May	Mar. - Apr.	June 2004 ^p	May 2004 ^r	Apr. 2004	June 2003	2004 ^p	2003	
SHIPMENTS													
All manufacturing industries	367,221	364,705	362,569	0.7	0.6	-0.1	393,076	367,073	360,275	348,612	2,168,380	1,959,804	10.6
Construction materials and supplies.....	38,892	39,373	39,692	-1.2	-0.8	0.2	42,520	40,517	40,005	37,363	228,445	204,674	11.6
Information technology.....	30,142	29,912	30,821	0.8	-2.9	2.4	35,091	27,752	27,946	32,339	178,109	157,354	13.2
Computers and related products	8,304	8,180	9,068	1.5	-9.8	9.7	9,967	6,705	7,921	9,281	48,498	41,621	16.5
Motor vehicle and parts.....	38,358	37,597	38,605	2.0	-2.6	-4.5	41,501	38,918	40,174	38,294	242,132	226,656	6.8
Capital goods.....	70,118	69,672	70,679	0.6	-1.4	0.6	78,975	68,248	67,912	72,431	419,049	373,646	12.2
Nondefense capital goods ³	62,132	61,268	62,529	1.4	-2.0	0.8	70,550	59,846	60,104	64,336	369,466	329,880	12.0
Excluding aircraft.....	59,719	58,529	60,199	2.0	-2.8	1.4	67,610	56,997	58,180	60,649	354,514	314,612	12.7
Defense capital goods ⁴	7,986	8,404	8,150	-5.0	3.1	-0.7	8,425	8,402	7,808	8,095	49,583	43,766	13.3
Consumer goods.....	140,870	139,601	137,354	0.9	1.6	-0.3	146,440	141,217	136,418	128,655	824,097	747,392	10.3
Consumer durable goods.....	35,126	34,374	35,013	2.2	-1.8	-3.1	37,585	34,827	35,450	34,383	215,911	199,870	8.0
Consumer nondurable goods.....	105,744	105,227	102,341	0.5	2.8	0.7	108,855	106,390	100,968	94,272	608,186	547,522	11.1
NEW ORDERS													
All manufacturing industries ⁵	363,242	360,561	359,124	0.7	0.4	-1.1	383,472	361,888	357,653	339,178	2,154,419	1,934,149	11.4
Construction materials and supplies.....	39,015	39,392	41,255	-1.0	-4.5	0.8	41,893	41,288	41,897	36,817	234,531	204,341	14.8
Information technology.....	30,753	30,993	31,334	-0.8	-1.1	-1.9	34,308	28,454	29,041	31,980	184,278	164,812	11.8
Computers and related products	8,801	8,689	8,615	1.3	0.9	7.4	10,420	7,728	7,274	9,411	48,554	42,456	14.4
Motor vehicle and parts.....	38,659	38,006	39,012	1.7	-2.6	-3.8	41,485	38,998	40,297	38,016	243,294	226,204	7.6
Capital goods.....	72,995	70,167	72,097	4.0	-2.7	-2.7	78,603	67,265	69,821	70,536	432,476	385,350	12.2
Nondefense capital goods ³	63,647	62,996	63,908	1.0	-1.4	-1.3	69,789	61,719	61,751	62,497	377,945	333,114	13.5
Excluding aircraft.....	60,612	59,923	61,128	1.1	-2.0	-2.1	66,254	58,664	60,220	59,398	364,014	322,788	12.8
Defense capital goods ⁴	9,348	7,171	8,189	30.4	-12.4	-12.8	8,814	5,546	8,070	8,039	54,531	52,236	4.4
Consumer goods.....	140,837	140,101	136,993	0.5	2.3	-0.6	146,159	141,702	136,078	128,318	824,170	747,423	10.3
Consumer durable goods.....	35,093	34,874	34,652	0.6	0.6	-4.3	37,304	35,312	35,110	34,046	215,984	199,901	8.0
Consumer nondurable goods.....	105,744	105,227	102,341	0.5	2.8	0.7	108,855	106,390	100,968	94,272	608,186	547,522	11.1
UNFILLED ORDERS													
All manufacturing industries ⁵	527,535	524,365	521,211	0.6	0.6	0.7	529,750	531,671	529,935	489,445	(X)	(X)	8.2
Construction materials and supplies.....	37,619	37,496	37,477	0.3	0.1	4.4	37,955	38,582	37,811	30,800	(X)	(X)	23.2
Information technology.....	124,632	124,021	122,940	0.5	0.9	0.4	125,341	126,124	125,422	114,712	(X)	(X)	9.3
Computers and related products	8,625	8,128	7,619	6.1	6.7	-5.6	8,861	8,408	7,385	8,959	(X)	(X)	-1.1
Motor vehicle and parts.....	15,055	14,754	14,345	2.0	2.9	2.9	14,782	14,798	14,718	11,681	(X)	(X)	26.5
Capital goods.....	369,343	366,466	365,971	0.8	0.1	0.4	371,224	371,596	372,579	350,415	(X)	(X)	5.9
Nondefense capital goods ³	227,768	226,253	224,525	0.7	0.8	0.6	228,026	228,787	226,914	216,636	(X)	(X)	5.3
Excluding aircraft.....	148,197	147,304	145,910	0.6	1.0	0.6	148,784	150,140	148,473	136,447	(X)	(X)	9.0
Defense capital goods ⁴	141,575	140,213	141,446	1.0	-0.9	0.0	143,198	142,809	145,665	133,779	(X)	(X)	7.0
Consumer goods.....	12,845	12,878	12,378	-0.3	4.0	-2.8	12,684	12,965	12,480	11,898	(X)	(X)	6.6
Consumer durable goods.....	12,845	12,878	12,378	-0.3	4.0	-2.8	12,684	12,965	12,480	11,898	(X)	(X)	6.6
TOTAL INVENTORIES													
All manufacturing industries	452,907	449,946	446,699	0.7	0.7	0.5	451,679	453,817	449,025	439,285	(X)	(X)	2.8
Construction materials and supplies.....	48,609	48,267	47,618	0.7	1.4	1.0	48,565	48,849	48,331	46,989	(X)	(X)	3.4
Information technology.....	39,248	38,829	38,644	1.1	0.5	0.2	38,893	39,512	38,851	39,873	(X)	(X)	-2.5
Computers and related products	6,099	5,883	5,777	3.7	1.8	-1.8	6,034	6,151	5,761	6,104	(X)	(X)	-1.1
Motor vehicle and parts.....	21,531	21,200	21,131	1.6	0.3	0.3	21,319	21,314	21,301	20,053	(X)	(X)	6.3
Capital goods.....	127,057	126,109	125,060	0.8	0.8	0.0	126,409	127,395	125,707	125,412	(X)	(X)	0.8
Nondefense capital goods ³	107,323	106,409	105,556	0.9	0.8	0.2	106,556	107,638	106,125	106,594	(X)	(X)	0.0
Excluding aircraft.....	90,490	89,477	88,414	1.1	1.2	0.1	89,996	90,718	88,960	88,533	(X)	(X)	1.7
Defense capital goods ⁴	19,734	19,700	19,504	0.2	1.0	-1.1	19,853	19,757	19,582	18,818	(X)	(X)	5.5
Consumer goods.....	140,707	139,692	139,031	0.7	0.5	0.7	140,225	140,426	138,867	133,529	(X)	(X)	5.0
Consumer durable goods.....	28,681	28,172	28,002	1.8	0.6	1.2	28,655	28,580	28,317	27,093	(X)	(X)	5.8
Consumer nondurable goods.....	112,026	111,520	111,029	0.5	0.4	0.6	111,570	111,846	110,550	106,436	(X)	(X)	4.8

^p Preliminary ^r Revised X Not Applicable.

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

⁵ Estimates and percent changes exclude semiconductor industry data.

⁶ Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

See note at end of Table 2 relating to survey error and revision.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change June 04/03
	June 2004 ^p	May 2004 ^r	Apr. 2004	May - June	Apr. - May	Mar. - Apr.	June 2004 ^p	May 2004 ^r	Apr. 2004	June 2003	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries	148,313	147,813	147,054	0.3	0.5	1.0	147,632	147,972	146,958	144,733	2.0
Durable goods industries	88,714	88,046	87,216	0.8	1.0	1.6	87,982	87,832	86,846	85,058	3.4
Wood products.....	3,838	3,888	3,934	-1.3	-1.2	2.5	3,552	3,591	3,658	3,312	7.2
Nonmetallic mineral products.....	3,344	3,341	3,348	0.1	-0.2	1.2	3,340	3,330	3,325	3,372	-0.9
Primary metals.....	7,168	6,835	6,585	4.9	3.8	3.0	7,107	6,653	6,428	6,002	18.4
Fabricated metal products.....	12,055	11,993	11,728	0.5	2.3	2.0	12,058	12,035	11,728	11,135	8.3
Machinery.....	12,849	12,767	12,654	0.6	0.9	1.2	12,771	12,752	12,697	12,905	-1.0
Computers and electronic products	17,010	16,754	17,028	1.5	-1.6	1.3	17,055	17,021	17,036	17,284	-1.3
Electrical equipment, appliances, and components.....	4,647	4,612	4,563	0.8	1.1	-0.5	4,614	4,669	4,646	4,735	-2.6
Transportation equipment.....	17,768	18,063	17,734	-1.6	1.9	0.9	17,454	17,921	17,667	16,844	3.6
Furniture and related products.....	3,505	3,397	3,307	3.2	2.7	5.7	3,520	3,413	3,308	3,283	7.2
Miscellaneous products.....	6,530	6,396	6,335	2.1	1.0	2.2	6,511	6,447	6,353	6,186	5.3
Nondurable goods industries.....	59,599	59,767	59,838	-0.3	-0.1	0.2	59,650	60,140	60,112	59,675	0.0
Food products.....	9,749	9,875	10,027	-1.3	-1.5	-1.9	9,618	9,840	10,007	10,397	-7.5
Beverage and tobacco products.....	5,185	5,248	5,311	-1.2	-1.2	-0.1	5,069	5,240	5,365	5,379	-5.8
Textiles.....	1,344	1,365	1,383	-1.5	-1.3	1.2	1,335	1,396	1,418	1,439	-7.2
Textile products.....	1,836	1,815	1,800	1.2	0.8	-0.1	1,853	1,847	1,809	1,750	5.9
Apparel.....	1,598	1,585	1,592	0.8	-0.4	-0.7	1,620	1,611	1,632	1,744	-7.1
Leather and allied products.....	448	452	449	-0.9	0.7	0.4	459	457	445	450	2.0
Paper products.....	6,634	6,547	6,541	1.3	0.1	0.8	6,590	6,478	6,512	6,931	-4.9
Printing	2,863	2,774	2,719	3.2	2.0	0.3	2,893	2,697	2,616	2,774	4.3
Petroleum and coal products.....	5,176	5,196	5,238	-0.4	-0.8	1.4	5,400	5,575	5,436	4,604	17.3
Basic chemicals.....	17,318	17,436	17,231	-0.7	1.2	0.7	17,349	17,499	17,262	17,030	1.9
Plastics and rubber products.....	7,448	7,474	7,547	-0.3	-1.0	0.9	7,464	7,500	7,610	7,177	4.0
<u>WORK IN PROCESS</u>											
All manufacturing industries	130,852	129,545	130,148	1.0	-0.5	0.4	129,808	130,294	130,745	126,085	3.0
Durable goods industries	98,914	98,078	97,849	0.9	0.2	0.3	98,404	99,144	98,647	95,521	3.0
Wood products.....	1,971	2,009	2,002	-1.9	0.3	-1.1	1,971	2,015	2,018	1,973	-0.1
Nonmetallic mineral products.....	1,194	1,196	1,176	-0.2	1.7	-2.8	1,204	1,230	1,224	1,228	-2.0
Primary metals.....	6,179	6,204	6,340	-0.4	-2.1	1.9	6,210	6,219	6,336	6,066	2.4
Fabricated metal products.....	9,786	9,710	9,629	0.8	0.8	0.8	9,778	9,739	9,609	9,373	4.3
Machinery.....	15,387	15,329	15,040	0.4	1.9	0.7	15,413	15,631	15,068	14,146	9.0
Computers and electronic products	19,202	19,106	18,766	0.5	1.8	1.9	19,054	19,519	19,162	17,798	7.1
Electrical equipment, appliances, and components.....	3,017	2,987	2,935	1.0	1.8	0.6	3,047	3,088	3,030	2,914	4.6
Transportation equipment.....	37,646	37,070	37,499	1.6	-1.1	-0.1	37,159	37,179	37,719	37,252	-0.2
Furniture and related products.....	1,590	1,564	1,551	1.7	0.8	-0.2	1,596	1,571	1,551	1,568	1.8
Miscellaneous products.....	2,942	2,903	2,911	1.3	-0.3	-9.7	2,972	2,953	2,930	3,203	-7.2
Nondurable goods industries.....	31,938	31,467	32,299	1.5	-2.6	0.7	31,404	31,150	32,098	30,564	2.7
Food products.....	3,166	3,200	3,123	-1.1	2.5	2.8	2,898	2,929	2,970	2,694	7.6
Beverage and tobacco products.....	4,881	4,737	4,795	3.0	-1.2	1.4	4,447	4,446	4,625	4,059	9.6
Textiles.....	1,265	1,278	1,300	-1.0	-1.7	0.8	1,265	1,299	1,326	1,298	-2.5
Textile products.....	699	698	686	0.1	1.7	-0.9	705	719	703	717	-1.7
Apparel.....	1,139	1,157	1,181	-1.6	-2.0	-0.7	1,199	1,205	1,211	1,323	-9.4
Leather and allied products.....	165	170	180	-2.9	-5.6	-0.6	154	172	182	153	0.7
Paper products.....	1,207	1,226	1,191	-1.5	2.9	2.8	1,220	1,230	1,176	1,186	2.9
Printing	1,720	1,863	1,689	-7.7	10.3	0.4	1,698	1,780	1,677	1,700	-0.1
Petroleum and coal products.....	3,651	3,604	4,556	1.3	-20.9	0.8	3,742	3,745	4,589	4,193	-10.8
Basic chemicals.....	11,461	11,039	11,139	3.8	-0.9	0.1	11,509	11,149	11,149	10,693	7.6
Plastics and rubber products.....	2,584	2,495	2,459	3.6	1.5	-1.1	2,567	2,476	2,490	2,548	0.7
<u>FINISHED GOODS</u>											
All manufacturing industries	173,742	172,588	169,497	0.7	1.8	0.1	174,239	175,551	171,322	168,467	3.4
Durable goods industries	83,977	83,184	82,141	1.0	1.3	-0.1	84,400	85,051	83,586	83,513	1.1
Wood products.....	4,395	4,356	4,225	0.9	3.1	1.1	4,503	4,678	4,630	3,997	12.7
Nonmetallic mineral products.....	4,674	4,699	4,654	-0.5	1.0	-0.8	4,773	4,871	4,813	5,357	-10.9
Primary metals.....	5,457	5,490	5,417	-0.6	1.3	-0.4	5,436	5,580	5,512	5,988	-9.2
Fabricated metal products.....	11,009	10,778	10,572	2.1	1.9	1.8	11,052	10,965	10,854	10,895	1.4
Machinery.....	15,441	15,153	14,938	1.9	1.4	-0.8	15,202	15,184	15,184	14,539	4.6
Computers and electronic products	11,982	11,674	11,617	2.6	0.5	-3.0	11,763	11,871	11,571	12,175	-3.4
Electrical equipment, appliances, and components.....	4,963	4,905	4,812	1.2	1.9	-0.4	5,028	5,155	5,028	4,858	3.5
Transportation equipment.....	13,015	13,117	13,097	-0.8	0.2	1.6	13,441	13,496	13,176	13,242	1.5
Furniture and related products.....	3,031	3,019	2,988	0.4	1.0	1.6	3,192	3,117	2,967	3,150	1.3
Miscellaneous products.....	10,010	9,993	9,821	0.2	1.8	0.2	10,010	10,134	9,851	9,312	7.5
Nondurable goods industries.....	89,765	89,404	87,356	0.4	2.3	0.2	89,839	90,500	87,736	84,954	5.8
Food products.....	21,000	20,629	20,316	1.8	1.5	0.9	20,251	19,974	19,582	18,839	7.5
Beverage and tobacco products.....	4,537	4,526	4,583	0.2	-1.2	-1.5	4,652	4,568	4,678	4,701	-1.0
Textiles.....	2,222	2,219	2,194	0.1	1.1	-2.6	2,270	2,331	2,235	2,429	-6.5
Textile products.....	2,601	2,589	2,611	0.5	-0.8	0.2	2,662	2,668	2,688	2,620	1.6
Apparel.....	4,144	4,129	4,104	0.4	0.6	0.0	4,371	4,125	3,949	4,567	-4.3
Leather and allied products.....	992	1,014	1,035	-2.2	-2.0	-1.5	1,014	1,026	1,012	1,092	-7.1
Paper products.....	6,490	6,575	6,490	-1.3	1.3	-1.5	6,521	6,742	6,599	6,846	-4.7
Printing	1,781	1,785	1,746	-0.2	2.2	0.6	1,809	1,841	1,750	1,689	7.1
Petroleum and coal products.....	7,839	7,959	6,613	-1.5	20.4	0.8	8,134	8,434	6,660	6,935	17.3
Basic chemicals.....	27,221	27,075	26,926	0.5	0.6	0.9	27,060	27,506	27,459	24,433	10.8
Plastics and rubber products.....	10,938	10,904	10,738	0.3	1.5	-0.3	11,095	11,285	11,124	10,803	2.7

^p Preliminary^r Revised

See note at end of Table 2 relating to survey error and revisions.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group

[Based on Seasonally Adjusted data]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Jun 2004 ^p	May 2004 ^f	Apr 2004	Mar 2004	Jun 2004 ^p	May 2004 ^f	Apr 2004	Mar 2004
All manufacturing industries ²	1.23	1.23	1.23	1.22	(X)	(X)	(X)	(X)
Durable goods industries ²	1.39	1.39	1.37	1.35	3.96	3.97	3.94	3.90
Wood products.....	1.12	1.06	1.07	1.10	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.24	1.24	1.20	1.18	(X)	(X)	(X)	(X)
Primary metals.....	1.38	1.40	1.38	1.36	1.38	1.42	1.38	1.36
Fabricated metal products.....	1.44	1.44	1.41	1.38	2.05	2.04	2.04	1.96
Machinery.....	1.82	1.86	1.78	1.78	2.23	2.30	2.19	2.17
Computers and electronic products ² ..	1.26	1.25	1.22	1.25	5.06	5.05	4.84	4.96
Electrical equipment, appliances, and components.....	1.45	1.43	1.40	1.43	1.81	1.82	1.79	1.76
Transportation equipment.....	1.26	1.27	1.28	1.21	7.40	7.31	7.55	7.21
Furniture and related products.....	1.33	1.27	1.27	1.28	1.17	1.11	1.11	1.15
Miscellaneous products.....	1.69	1.71	1.69	1.65	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.06	1.06	1.07	1.08	(X)	(X)	(X)	(X)
Food products.....	0.82	0.82	0.83	0.86	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.55	1.63	1.65	1.58	(X)	(X)	(X)	(X)
Textiles.....	1.44	1.40	1.42	1.45	(X)	(X)	(X)	(X)
Textile products.....	1.65	1.64	1.64	1.61	(X)	(X)	(X)	(X)
Apparel.....	1.43	1.42	1.45	1.46	(X)	(X)	(X)	(X)
Leather and allied products.....	1.76	1.87	1.90	1.91	(X)	(X)	(X)	(X)
Paper products.....	0.97	1.02	1.01	1.03	(X)	(X)	(X)	(X)
Printing.....	0.78	0.80	0.79	0.78	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.63	0.61	0.63	0.63	(X)	(X)	(X)	(X)
Basic chemicals.....	1.34	1.33	1.34	1.34	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.25	1.26	1.24	1.25	(X)	(X)	(X)	(X)

^p Preliminary

^f Revised

X Not Applicable

¹ Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jun ¹ 2004	Jun ² 2003- May 2004	Jun ¹ 2004	Jun ² 2003- May 2004	Jun ¹ 2004	Jun ² 2003- May 2004	Jun ¹ 2004	Jun ² 2003- May 2004
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.2	(X)	0.1
Durable goods industries.....	0.1	0.3	0.2	0.7	0.0	0.2	0.2	0.2
Wood products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Primary metals.....	0.2	0.9	0.3	1.6	0.1	0.9	0.1	0.4
Fabricated metal products.....	0.1	0.5	0.1	1.5	-0.1	0.7	0.2	0.4
Machinery.....	0.3	0.8	0.5	1.4	0.2	0.4	0.2	0.2
Computers and electronic products.....	0.0	0.9	-0.3	1.7	-0.1	0.4	0.0	0.3
Electrical equipment, appliances, and components.....	0.1	0.5	-0.3	0.9	-0.3	0.5	0.1	0.3
Transportation equipment.....	0.2	0.4	0.2	0.6	0.0	0.1	0.1	0.2
Furniture and related products.....	(X)	0.7	(X)	1.2	(X)	1.1	(X)	0.3
Miscellaneous products.....	(X)	0.5	(X)	0.9	(X)	1.1	(X)	0.3
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	2.4	(X)	(NA)	(X)	(NA)	(X)	1.5
Paper products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.5
Petroleum and coal products.....	(X)	1.6	(X)	(NA)	(X)	(NA)	(X)	0.9
Basic chemicals.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3

X Not Applicable

NA Not Available

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this public:

² The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 3,500 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 59 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 3,500 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 3,500 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.